

Sablina, Z. A. and Gureyev, A. A.
THE NON-HYDROCARBON COMPONENTS OF FUEL
AS BASIC SOURCE FOR DEPOSITS FORMATION AT
HIGH TEMPERATURES. [1960] 7p. 10 refs.
Order from LC or SLA mi\$1.80, ph\$1.80 61-10726

Trans: of Khimiya i Tekhnologiya Topliv i Masel
(USSR) 1960 [v. 5] no. 7, p. 33-38.
Abstract translation available from LC or SLA
mi\$1.80, ph\$1.80 as 60-23826, AID-60-43, 4 Aug 60,
2p.

The thermal stability of commercial straight-run fuels
of kerosene type is mainly determined through charac-
ter and quantity of the non-hydrocarbon, resinous
compounds contained in them and representing the
basic source of high-temperature deposits. The hy-
drocarbon part of different commercial fuels has
practically an equal high temperature stability. The
dominant influence of non-hydrocarbon resinous com-
ponents on the thermal stability is observed also in
(Materials--Fuels, TT, v. 5, no. 9) (over)

61-10726

1. Jet engine fuels--Impurities
- I. Sablina, Z. A.
- II. Gureyev, A. A.

NLL M.2673

P 151834

ATS-RJ-2886

Office of Technical Services

Narnick, A. Yu. and Beider, S. Ya.
WATER SOLUBILITY OF N-PENTANE AND N-HEX-
ANE. [1960] 5p. 12 refs.
Order from LC or SLA ml\$1.80, ph\$1.80 61-10725
Trans. of Khimiyai i Tekhnologii i Topliv. (L. Masel)
(USSR) 1960 [v. 5] no. 7, p. 52-55.

151833

(Chemistry--Organic, TT, v. 5, no. 9)

61-10725

1. Hexanes--Solubility
 2. Pentanes--Solubility
 3. Water--Solvent properties
- I. Narnick, A. Yu.
 - II. Beider, S. Ya.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

The Oxidation of Soft Paraffin Obtained From
Shale to Fatty Acids.

RUSSIAN, per, Khim i Tekhnol Topliv i Masel, Vol V,
No 8, 1960, pp 21-24.

Possibly to Come From Contacts
per 10 Dec 62 memo
USIB INTERNAL USE ONLY

Sci - Chem

Dec 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

Kusakov, M. M., Lubman, N. M., and
Shchetsko, M. I.
INVESTIGATION OF THE STATE AND DISTRIBUTION OF WATER IN FUEL, tr. by Lionel Moxe.
[1961] [9]p. 5 refs. TRC Trans. no. 1045;
[DSIR LLU] M. 3026.
Order from OTS or SLA \$1.10 61-27575

Trans. of Khimiya i Tekhnologiya Topliv i Masel
(USSR) 1960 [v. 5] no. 8, p. 63-66.

DESCRIPTORS: *Fuels, Water, Distribution.

The quantity of water introduced into a unit volume of fuel at a given temperature (after thorough agitation) can be expressed as $a = s + e + w + v$, where s is the equilibrium solubility of water in the fuel at the given temperature, e is the quantity of water in the fuel in the form of micro-emulsion at the same temperature, (Materials--Fuels, TT, v. 6, no. 9) (over)

61-27575

- I. Kusakov, M. M.
- II. Lubman, N. M.
- III. Shchetsko, M. I.
- IV. TRC Trans-1045
- V. DSIR LLU M. 3026
- VI. Thornton Research Centre,
Shell Research Ltd.
(Gt. Brit.)

185599

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

Mechanical Entrainment of Gas in Liquid
During Flow Over Perforated Ripple Plates,
by I. A. Aleksandrov, A. I. Skoblo.

RUSSIAN, per, Khim i Tekh Topliva i Masel,
No 9, 1960, pp 42-45.

GB/28

Sci-Engr
Jun 65

~~234,641~~
.234,660

Chertkov, Ya. B.
ON THE MECHANISM OF DEPOSIT FORMATION IN
T-TYPE FUELS, tr. by Lionel Motc. [1961] [12]p.
16 refs. TRC Trans. no. 1049, [DSIR L.L.U] M 3133.
Order from OIS or SLA \$1.00 61-27531

Trans. of Khim[ia] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1960 [v. 5] no. 9, p. 57-61.
Abstract trans. is available from LC or SLA for \$1.80.
pb\$1.80 as 61-13899, AHD-60-66, 7 Oct 60, 2p.

DESCRIPTORS: *Jet engine fuels, Chemical reactions,
Kerosene, Deposits, Temperature, Stability, *Fuels.

For abstract see Technical Translations 5: 24, 1961.

(Materials--Fuels, TT, v. 6, no. 11)

61-27531

- I. Chertkov, Ya. B.
- II. TRC Trans-1049
- III. DSIR L.L.U M 3133
- IV. Thornton Research Centre,
Shell Research Centre,
(Gt. Brit.)

188723

Office of Technical Services

(SF-1207).

Eighth Scientific Conference on the Use of Ultra-acoustics in the Study of Matter, by M. A. Soskin, *3pp*

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 9, 1960, pp 71-72.

*JPRS 4218

Sci - Physics/Chemistry

3 Nov 60

Berenson, S. P.
THE LACQUER-FORMING PROPERTIES OF OILS IN
THE VAPOUR PHASE, tr. by Lionel Mote. [1961]
[8]p. 6 refs. TRC Trans. no. 1050; [DSIR LLU]
M4001.
Order from OTS or SLA \$1.10 61-28176

Trans. of Khimiya [1] Tekhnologiya Topliv i Masel
(USSR) 1960 [v. 5] no. 10, p. 38-41.

DESCRIPTORS: *Oils, *Vaporization, *Varnishes,
*Phase transitions, Physical properties, Chemical
reactions.

Tests indicated that vapour-phase lacquer-formation
represents one of the important elements in the pro-
cess of formation of lacquer deposits. The intensity of
the lacquer-formation in the vapour phase depends on
the temperature, chemical and fractional composition
(Chemistry--Physical, TT, v. 7, no. 6) (over)

61-28176

- I. Berenson, S. P.
- II. TRC Trans-1050
- III. DSIR LLU M. 4001
- IV. Thornton Research Centre,
Shell Research Ltd.
(Gr. Brit.)

Office of Technical Services

Kinetic Aspects of the Catalytic Cracking
of Heavy Distillate Stocks, by G. M. Pan-
chenkov.

RUSSIAN, par, Khim i Tekhnol Topliv i Masel,
Vol V, No 11, 1960, pp 4-8.

ATS RJ-3981

Sci-Chem
Dec 63

244,865

APPROVED FOR RELEASE: Thursday, December 13, 2001

CIA-RDP84-00581R000300830049-1

APPROVED FOR RELEASE: Thursday, December 13, 2001

CIA-RDP84-00581R000300830049-1

(NY-5835)

The Operational Properties of T-Type Fuel
Stabilized by an Antioxidizing Agent FCh-16, by
I. V. Rozhkov, K. I. Klimov, Ye. N. Kornilova,
A. V. Vilenkin, 8 pp.

RUSSIAN, per, Khim i Tekh Toplivo i Masel,
Vol V, No 11, 1960, pp 49-53.

JPRS 9024

Sci - Chem

154, 427

May 61

61-28180

Zhukhovitskii, A. A., Selenkina, M. S., and
Turkel'taub, N. M.
METHOD OF CHROMATOGRAPHIC IDENTIFICATION
OF COMPONENTS OF HYDROCARBON MIXTURES,
tr. by A. Magrath. [1961] [20]p. 8 refs. TRC Trans.
no. 1051; [DSIR LLU] ML 4006.
Order from OTS or SLA \$1.60

61-28180

Trans. of Khimicheskii Tekhnologiya Topliv i Masel (USSE)
1960 [v. 5] no. 11, p. 57-64.

DESCRIPTORS: *Hydrocarbons, Mixtures, *Chromato-
graphic analysis, Test methods, Identification, Deter-
mination, Boiling, Gases, Liquids, Temperature, Mo-
lecular structure.

The method proposed for identifying components of
hydrocarbon mixtures enables the qualitative compo-
sition of complex mixtures to be determined, on the
basis of measurement of retention volumes and of some
(Chemistry--Physical, TT, v. 6, no. 11) (over)

- I. Zhukhovitskii, A. A.
- II. Selenkina, M. S.
- III. Turkel'taub, N. M.
- IV. TRC Trans-1051
- V. DSIR LLU ML 4006
- VI. Thornton Research Centre,
Shell Research Ltd.
(Gr. Brit).

ATS RJ-3982

185700

Office of Technical Services

(NY-5835)

An Evaluation of the Combustion Characteristics of
Fuel for Turbojet Engines and Small-Size, Mono-
Chambered Units, by Ye. R. Tereshchenko, B. D.
Zaloga, S. M. Maksimov, 12 pp.

RUSSIAN, per, Khim i Tekh Toplivo i Masel, Vol V,
No 11, 1960, pp 64-70.

JPRS 9025

Sci - Chem

154, 197

May 61

Sadchikova, M. F. and Gol'dberg, D. O.
METHODS OF IMPROVING THE STABILITY OF
PHENOL-EXTRACTED TRANSFORMER OIL AND
HIGH-SULFUR CRUDES. [1961] 8p.
Order from ATS \$8.70 ATS-02N51R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1960, v. 5, no. 12, p. 18-24.

DESCRIPTORS: *Petroleum, *Oils, Stabilization.

61-25211

- I. Title: Transformer oils
- I. Sadchikova, M. F.
- II. Gol'dberg, D. O.
- III. ATS-02N51R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

181930

Office of Technical Services

(Materials--Lubricants, TT, v. 6, no. 7)

1 113541

Khim: Tekh Topliy
i Masel

Il'yasov, A. V., Garif'yanov, N. S., and
Ryzhmanov, Yu. M.
ELECTRONIC PARAMAGNETIC RESONANCE IN
SOME TYPES OF NATURAL PETROLEUM AND IN
THEIR HEAVY FRACTIONS (Elektronnyi Para-
magnitnyi Rezonans v Nekotorykh Sortakh Prirodn-
noy Nefti i Be Tyazhelykh Fraktsiyakh). [1964] (figs
omitted) 14 refs
Order from OTS, SLA, or ETC \$1.10 TT-64-10971

Trans. of Khimiya i Tekhnologiya Topliv i Masel
(USSR) 1961, v. 6, no. 1, p. 28-31.

(Materials--Fuels, TT, v. 12, no. 2)

TT-64-10971

I. Il'yasov, A. V.
II. Garif'yanov, N. S.
III. Ryzhmanov, Yu. M.

Office of Technical Services

Zaslavskii, Yu. S. and Shor, G. I.
STUDY OF THE STABILITY OF SOLUTIONS OF
ADDITIVES IN LUBE OILS BASED ON THEIR ELEC-
TRICAL CONDUCTIVITY. [1961] 4p.
Order from ATS \$6.50

ATS-96N51R

Trans. of Khimiya i Tekhnologiya Topliv i Masel
(USSR) 1961, v. 6, no. 1, p. 52-54.

DESCRIPTORS: *Oils, *Lubrication, *Lubricant
additives, Stability, Electrical conductance.

(Materials--Lubricants, TT, v. 6, no. 7)

61-25216

- I. Zaslavskii, Yu. S.
- II. Shor, G. I.
- III. ATS-96N51R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

18196

Office of Technical Services

Somov, V.A. and Krylov, E.I.
SUR LES HUILES A CYLINDRES DES MOTEURS
DIESEL DE GRANDE PUISSANCE A REGIME LENT
(O tsilindrovyykh Maslakh Dlya Malooborotnykh
Dizelei Bol'shoi Moshnosti) (Cylinder Oils for Low
Speed High-Output). 12p. (foreign text included)
CNRS-VI 585.
Order from OTS, ETC or CNRS \$1.60 TT-62-28706

Trans. in French of Khimiya i Tekhnologiya Topliv i
Masel (USSR) 1961, v.6, no.1, p.54-57.
Trans. in English is available from ATS \$7.00 as
ATS-59N51R, 1961, 5p.

DESCRIPTORS: Oils, *Diesel engines, *Fuel oil,
Lubricants, Lubricant additives.

(Materials--Lubricants, TT, v. 11, no. 9)

TT-62-28706

- I. Somov, V.A.
- II. Krylov, E.I.
- III. CNRS-VI 585
- IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

Indyukov, N. M. and Lognova, S. N.
CATALYTIC IMPROVEMENT OF KEROSENE BY
THERMAL CRACKING. 4 May 61 [1]p. AID rept.
61-60; AD-257 906
Order from OTS or SLA \$1.10

61-23501

Abstract trans. of Khimiya i Tekhnologiya Topliva
Mosk (USSR) 1961 [v. 6] no. 2, p. 16-20.

DESCRIPTORS: *Kerosene, Fuels, Catalysis,
Decomposition. *Fuel oil

Cracked kerosene, which boils between 174 and 300°C
and which contains a high percentage of unstable hy-
drocarbons (actual gums, 84.0%; iodine number, 58.5),
can be converted into a diesel fuel (actual gums,
40.4-50.8%; iodine number, 5.5 - 6.9). The fuel meets
the requirements of Soviet BTY-586-56 standards,
except for its low flash point of 28°C (a minimum of
35°C is required). The flash point can be raised by
distilling off the head fraction to 165°C (12% by weight).
(Materials--Fuels, TT, v. 6, no. 7) (over)

61-23501

I. Indyukov, N. M.
II. Lognova, S. N.
III. AID-61-60
IV. Air Information Div.,
Washington, D. C.
V. AD-257 906

181860

Office of Technical Services

(Materials--Lubricants, TT, v. 6, no. 9)

Office of Technical Services

Use of Neutralizing Substances in Engines Working
on High-Sulfurous X Diesel, by B. V. Losikov, et al.

RUSSIAN, per, Khimi i Tekhn. Topliv i Kisel, No 2,
1961, pp 46-52.

ERDL, Ft Belvoir T-10

OTS 62-13502

179,360

Sci - Fuels
Jan 62

Methods of Estimating the Quality of Jet
Fuels, by V. N. Zrellov, 17 pp.

RUSSIAN, per, Khim i Tekh Toplivo i Masel,
No 2, 1961, pp 66-70. 9676134

FTD-TT-62-17
AIAA (5pp)

Sci - Fuels

5 Apr 62

189, 765

Molokanov, Yu. K., Aleksandrov, I. A., and
Skoblo, A. I.
VERSUCHE MIT SIEBBÖDEN IN EINER LABORKOLON-
NE (Experiments on Perforated Bottoms in a Labora-
tory Column): 9p. (text in German).
Order from T.I.B. \$1.55

Trans. of Khimiya i Tekhnologiya Topliv i Masel
(USSR) 1961, no. 3, p. 34-39.

DESCRIPTORS: *Fractionation, Distilling plants,
Test equipment.

62-27020

I. Molokanov, Yu. K.
II. Aleksandrov, I. A.
III. Skoblo, A. I.
IV. T.I.B.
V. Technische Informations-
bibliothek Hannover

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

Tsykovskii, V. K. and Levina, M. I. THE OXIDATION OF HYDROCARBONS BY VARIOUS METHODS. [1961] 2p. Order from ATS \$3.00 Trans. of Khim[ia] i Tekhnolog[ia] Topliv i Masel (USSR) 1961, v. 6, no. 3, p. 66-67. DESCRIPTORS: *Hydrocarbons, Oxidation. (Chemistry--Organic, TT, v. 6, no. 6)	61-25067 I. Tsykovskii, V. K. II. Levina, M. I. III. ATS-19N53R IV. Associated Technical Services Inc., East Orange, N. J. 176728 Office of Technical Services
---	--

Karzhev, V.I., Kasatkin, D.F. and others.
EXTRACTION DES HYDROCARBURES AROMATI-
QUES PAR LE CARBONATE DE PROPYLENE (Izvech-
henie aromaticheskikh Uglevodorodov Propilenkarbo-
natom) (The Separation of Aromatic Hydrocarbons
with Propylene Carbonate). 13p. (foreign text in-
cluded) 9 refs. CNRS-VI 760.
Order from OTS, ETC or CNRS \$1.60 TT-62-28747

Trans. in French of Khimiya i Tekhnologiya Topliv
i Masel (USSR) 1961, v. 6, no. 4, p. 6-9.
Other translations are available in German from TIB
\$1.30, 6p and in English from ATS \$7.00 as
ATS-59N51R [1961] 5p. + OTS 63-10240

DESCRIPTORS: *Hydrocarbons, Propenes, Carbona-
tes, *Solvent extraction, Separation.

(Chemistry--Organic, TT, v. 11, no. 9)

TT-62-28747

- I. Karzhev, V.I.
- II. Kasatkin, D.F.
- III. CNRS-VI 760
- IV. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translations Centre

62-12538

Piguzova, L. I.
THERMAL STABILITY OF THE STRUCTURE OF
SORBENTS OF THE MOLECULAR SIEVE TYPE.
[1961] 7p.
Order from ATS \$10.80

ATS-81N57R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1961, v. 6, no. 4, p. 9-14.

DESCRIPTORS: *Absorption, *Adsorption, *Heat,
*Stability, Molecular structure.

(Physics--Molecular, TT, v. 7, no. 10)

I. Piguzova, L. I.
II. ATS-81N57R
III. Associated Technical Services,
Inc., East Orange, N. J.

ATS RJ-3924

Office of Technical Services

Rogov, S. P., Danilevich, A. F. and others.
LUBE OIL HYDROTREATING. [1961] Sp.
Order from ATS \$7.75 ATS-88N54R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1961, v. 6, no. 4, p. 23-27.

DESCRIPTORS: *Lubrication, *Oils, Processing.

(Materials--Lubricants, TT, v. 7, no. 4)

62-12133

- I. Rogov, S. P.
- II. Danilevich, A. F.
- III. ATS-88N54R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Lube Oil Hydrotreating, by N. M. Gerasimenko, G. I. Yastrebov, 5 pp.

RUSSIAN, per, Khim i Tekh. Topliv i Masel, Vol VI, No 4, 1961, pp 27-31.

ATS-87N54R

Sci

Apr 62

Vol VII, No 4

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

Vishnevskii, N. E.
ISOTHERMAL LABORATORY APPARATUS. [1962]
Sp. 2 refs.
Order from OTS or SLA \$1.10 (2-14857

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1961 [v. 6] no. 4, p. 56-57.

DESCRIPTORS: *Laboratory equipment, Heat transfer,
Towers (Chemistry)

The apparatus is designated for creation of isothermal conditions in continuous liquid-phase processes, accompanied with an important evolution of heat. Conditions of the processes: pressure up to 200 atm., temperature until 300 C, useful volume 0.2 l., productivity 2 l/hour and more. The gas volume of reactor is reduced to a minimum through installation of a pad between rotor and lower ball-bearing, made of stainless steel as also all reactor parts, contacting a corrosive medium. (Author)

62-14857

I. Vishnevskii, N. E.

(Chemistry, TT, v. 8, no. 7)
Office of Technical Services

Dzhuravly, Ch. M. and Mikharskaya, L. A.
INVESTIGATION OF TRANSFORMER OIL STABILITY.
[1961] Sp.
Order from ATS \$7.25 ATS-96N54R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1961, v. 6, no. 4, p. 64-67.

DESCRIPTORS: Transformers, *Oils, Stability.

(Materials--Lubricants, TT, v. 7, no. 4)

62-12135

I. Dzhuravly, Ch. M.
II. Mikharskaya, L. A.
III. ATS-96N54R
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

62-12123

Chernyavskaya, L. F. and Folt, I. F.
A COMPARISON OF METHODS FOR DETERMINING
THE CORROSIVENESS OF MOTOR OILS. [1961] 4p.
Order from ATS \$6.75 ATS-03N56R

Trans. of Khim[ia] i Tekhnol[ogiya] Topl[iv] i Masel
(USSR) 1961, v. 6, no. 4, p. 70-72.

DESCRIPTORS: *Oils, *Corrosion.

(Metallurgy--Corrosion, TT, v. 7, no. 4)

- I. Chernyavskaya, L. F.
- II. Folt, I. F.
- III. ATS-03N56R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

62-16125

Gurevich, I. L. and Zhake, L. Yu.
TRIETHYLENEGLYCOL AS SELECTIVE SOLVENT
OF AROMATIC HYDROCARBONS. [1962] 9p. 14 refs.
Order from OTS or SLA \$1.10 62-16125

I. Gurevich, I. L.
II. Zhake, L. Yu.

Trans. of Khim[ia] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1961 [v. 6] no. 5, p. 11-14.

DESCRIPTORS: *Organic solvents, *Glycols, *Ethyl-
enes, Hydrocarbons, Benzenes.

Triethyleneglycol was studied as a selective solvent
and its convenience for extraction of aromatic hydro-
carbons was demonstrated. Efficiency of the multiple
stage extraction is shown. It was found, that the graphic
methods of Hunter and Nash and of Verteresyan and
Finske for determination of the number of extraction
steps give results agreeing with the experiment and can
be applied for solution of practical problems connected
(Chemistry--Organic, TT, v. 9, no. 4) (over)

Office of Technical Services

62-12153

Osipov, L. N., Fersht, I. Ya. and others.
HYDROTREATING DIESEL FUEL DISTILLATE
WITH HYDROGEN CONTAINING CARBON MONOXIDE
AND CARBON DIOXIDE IMPURITIES. [1961] 4p.
Order from ATS \$5.75 ATS-76N56R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliva i Mass
(USSR) 1961, v. 6, no. 3, p. 15-17.

DESCRIPTORS: *Fuels, Processing, *Fuel oil, Hydro-
gen, Carbon compounds, *Monoxides, *Carbon dioxide
impurities, Diesel engines.

(Materials--Fuels, TT, v. 7, no. 4)

- I. Osipov, L. N.
- II. Fersht, I. Ya.
- III. ATS-76N56R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Bol'shova, T.A. and Starobinets, G.L.
CHROMATOGRAPHIE DE PARTITION DES PARAF-
FINES SOLIDES SUR L'URÉE (Raspredelitel'naya
Khromatografiya Uglevodorodov Tverdykh Neftyanykh
Parafinov Na Karbamide) (Distribution Chromato-
graphy of Solid Paraffin Hydrocarbons from Petroleum
on the Carbamide). 15p. (foreign text included)
13 refs. CNRS-VI 712.

Order from OTS, ETC or CNRS \$1.60 TT-62-28721

Trans. in French of Khimiya i Tekhnologiya Topliv i
Masel (USSR) 1961, v.6, no.5, p.17-21.

Other translations are available in English from OTS,
SLA or ETC \$1.10 as TT-62-14845 [1962] 6p and
from ATS \$9.00 as ATS-53N56R [1961] 5p.

DESCRIPTORS: *Urea, Petroleum, *Waxes, Chroma-
tographic analysis.

(Chemistry--Organic, TT, v. 11, no. 9)

TT-62-28721

- I. Bol'shova, T.A.
- II. Starobinets, G.L.
- III. CNRS-VI 712
- IV. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translations Centre

62-12122

Dadayan, G. T., Ol'kov, P. L. and others.
EXPERIMENTAL LOW-TEMPERATURE DEWAXING
OF OILS USING METHYL ETHYL KETONE. [1961]

7p.

Order from ATS \$8.40

ATS-19N56R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1961, v. 6, no. 6, p. 17-21.

DESCRIPTORS: *Oils, Purification, *Waxes, Sepa-
ration, Methyl radicals, Ethyl radicals, Ketones.

(Materials--Lubricants, TT, v. 7, no. 4)

- I. Dadayan, G. T.
- II. Ol'kov, P. L.
- III. ATS-19N56R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Khmel'nitskii, R. A., Zimina, K. I., and Polyakova, A. A.

A MASS-SPECTROMETRIC METHOD FOR THE ANALYSIS OF GASOLINES. [1961] 8p.

Order from ATS \$11.40

ATS-54N56R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1961, v. 6, no. 6, p. 55-60.

DESCRIPTORS: *Gasoline, Spectrographic analysis, *Mass spectrometers, Chemical analysis.

(Chemistry--Analytical, TT, v. 7, no. 5)

62-12146

I. Khmel'nitskii, R. A.

II. Zimina, K. I.

III. Polyakova, A. A.

IV. ATS-54N56R

V. Associated Technical Services, Inc., East Orange, N. J.

ATS RJ-2483

Office of Technical Services

A High-Vacuum, High-Temperature, Solid
Lubricant, by I. N. Sentyurikhina,
B. N. Malyshev, et al, 6 pp.

RUSSIAN, per, Khim i Tekh Toplivo i Masel,
No 7, 1961, pp 13-15. 9671658

FTD-ITT-61-58

Sci - Fuels

176, 112

14 Dec 61

62-12539

Mel'nikov, B. G.
CONCENTRATION EQUATION OF MULTISTAGE
COUNTERCURRENT INTERPHASE TRANSFER. [1961]
9p.
Order from ATS \$9.95 ATS-17N57R

Trans. of Khim[ia] i Tekhnol[ogiya] Topliva i Masel
(USSR) 1961, v. 6, no. 7, p. 16-21.

DESCRIPTORS: Equations, *Mass transfer.

(Chemistry--Physical, TT, v. 8, no. 1)

I. Mel'nikov, B. G.
II. ATS-17N57R
III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

THERMOGRAPHIC INVESTIGATION OF ANTI-ABRASIVE OIL
ADDITIVES, BY I. E. VINOGRADOVA, YE. A. ALEKSEYEVA,
11 PP.

RUSSIAN, PER, KHIM I TEKH TOPLIV MASEL, NO 7, 1967,
PP 56-61. 9678220

FTD-TT-62-889

SCI - CHEM
12 OCT 62

212,764

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

Lipshtein, R. A., Ivanov, K. I., and
Mikhel'son, A. Ya.
EVALUATION OF TRANSFORMER OIL SERVICE
PROPERTIES. [1961] 9p.
Order from ATS \$12.85 ATS-79N56R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1961, v. 6, no. 7, p. 63-70.

DESCRIPTORS: *Transformers, *Lubricants, Oils.

(Materials--Lubricants, TT, v. 7, no. 9)

62-12652

- I. Lipshtein, R. A.
- II. Ivanov, K. I.
- III. Mikhel'son, A. Ya.
- IV. ATS-79N56R
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Maslyanskii, G. N., Bursyan, N. R. and others.
ON CERTAIN TECHNOLOGICAL PROBLEMS IN
CATALYTIC REFORMING. Jan 62, 6p.
Order from ICE in v. 2, no. 1, \$15.00/year

Trans. of Khim[ia] i Tekh[nologiya] Topliv i Masel
(USSR) 1961 [v. 6] no. 8, p. 1ff.

DESCRIPTORS: *Catalysis, Platinum catalysts, *Petro-
leum, Hydrocarbons, Reactors, *Chemical
engineering.

(Engineering--Chemical, TT, v. 8, no. 10)

62-34304

I. Maslyanskii, G. N.
II. Bursyan, N. R.
III. International Chemical
Engineering, New York

Office of Technical Services

62-12648

Silich, M. I., Sidorov, I. P. and others.
AN IMPROVED PROCESS FOR THE PRODUCTION
OF ALCOHOLS BY THE OXO SYNTHESIS USING A
SUSPENDED CATALYST. [1961] 7p.
Order from ATS \$10.35 ATS-61P58R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1961, v. 6, no. 8, p. 19-24.

DESCRIPTORS: *Alcohols, Production, Oxo process,
Catalysts.

(Engineering--Chemical, TT, v. 7, no. 10)

- I. Silich, M. I.
- II. Sidorov, I. P.
- III. ATS-61P58R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

The Use of Residual Fuels in Gas Turbines,
by E. V. Losikov, et al.

RUSSIAN, per, Khim i Tekh Topliva i Masel,
No 8, 1961, pp 47-51
3.

Sci - Fuels
Jun 62

NIL M. 4680

OTS 62-19132
201,024

The Evaluation of the Lacquer Forming Tendencies
of Lubricating Oils, by V. S. Demchenko.

RUSSIAN, per, Khim i Tek Topliv i Masel, Vol VIII,
1961, pp 53-57.

05787

170-1 (444) (6-1-61)

TRC 1058

Thornton Res Center

188,948

Sci - Chem

Mar 62

62-12642

Sharapov, V. I., Semenid, E. G., and Shchegolev,
N. V.
REGULATION OF THE FRACTIONAL COMPOSITION
OF LUBE OIL BASES: A MEANS OF BASIC
QUALITY IMPROVEMENT. [1961] 7p.
Order from ATS \$10.25 ATS-42N58R

Trans. of Khim[ia] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1961, v. 6, no. 9, p. 32-37.

DESCRIPTORS: *Lubrication, *Oils, Fractionation,
Quality control.

(Materials--Lubricants, TT, v. 7, no.10)

- I. Sharapov, V. I.
- II. Semenid, E. G.
- III. Shchegolev, N. V.
- IV. ATS-42N58R
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Moiseikow, S. F. and Starobinets, I. S.
CHIMIE DU PROCESSUS D'OXYDATION DES
BITUMES OXYDES (Optimalisme Processus Polychlorure
Chlorométhylé Bitumène) (The Process of Forming
Oxidized Bitumens). 10p. 12 refs. PA-2523.
Order from OTS, ETC or CNRS \$0.80 62-26447

Trans. in French of Khimika (Tekhnologiya Topliva i
Mazut) (USSR) 1961, v. 6, no. 9, p. 41-47.

DESCRIPTORS: Mineral oils, Hydrocarbons,
*Bitumens, *Oxidation.

(Engineering--Chemical, TT, v. 10, no. 9)

62-26447

- I. Moiseikow, S. F.
- II. Starobinets, I. S.
- III. F/A-2523
- IV. Centre National de la
Recherche Scientifique,
Paris (France)

Office of Technical Services

62-17295

Strazh, A. G.
PRODUCT COST CALCULATION IN PETROLEUM
REFINING. [1962] 4p.
Order from ATS \$7.20 ATS-43N58R

Trans. of Khim[ia] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1961, v. 6, no. 9, p. 51-54.

DESCRIPTORS: 'Petroleum, Processing, Costs.

I. Strazh, A. G.
II. ATS-43N58R
III. Associated Technical
Services, Inc.

(Engineering--Chemical, TT, v. 8, no. 2)

Office of Technical Services

Karelin, Ya. Z., Nazarov, I. I. and others.
AN EXPERIMENTAL STUDY OF TWO-STAGE
BIOCHEMICAL TREATMENT OF WASTE WATERS
FROM THE ORSK PETROLEUM REFINERY ELEC-
TRIC DESALTING UNIT. [1962] 6p.
Order from ATS \$8.25

ATS-92P58R

Trans. of Khimiya i Tekhnologiya Topliv i Masel
(USSR) 1961, v. 6, no. 11, p. 23-27.

DESCRIPTORS: Petroleum, Refineries, *Water,
*Chemical waste, Electrical equipment, *Biochemis-
try, Desalination.

(Engineering--Chemical, TT, v. 8, no. 1)

62-12799

- I. Karelin, Ya. Z.
- II. Nazarov, I. I.
- III. ATS-92P58R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS-RJ-3308

Office of Technical Services

The Effect of Additives on the Formation of
Deposits in Fuel T-1 at High Temperatures, by
Yu. V. Snitserov.

RUSSIAN, per, Khimiya i Tekh Topliva i Masel,
No 11, 1961, pp 55-59.

MLL M. 4894

Sci. - Chem

207,180

Aug 62

Mushenko, D. V., Levina, M. I. and others.
SEMICOMMERCIAL TRIAL OF CATALYTIC DEAS-
PHALTING PROCESS FOR WHOLE CRUDE. [1962]
9p.

Order from ATS \$8.60

ATS-94P61R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1961, v. 6, no. 12, p. 1-7.

DESCRIPTORS: *Petroleum, *Asphalt, Separation,
Catalysis.

ATS-RJ-3659

(Engineering--Chemical, TT, v. 8, no. 10)

62-22127

- I. Mushenko, D. V.
- II. Levina, M. I.
- III. ATS-94P61R
- IV. Associated Technical Services,
Inc., East Orange, N. J.

Office of Technical Services

Synthesis and Properties of Arylstearic Esters, by
M. G. Rudenko, Yu. P. Sobolev, et al, 7 pp.

RUSSIAN, per, Khim I Takh Topliv I Masel, No 12,
1961, pp 7-11. 9666830

FTD-TT-62-1024

Sci - Chem
Nov 62

216,874

Vishnyakova, T. P., Paushkin, Ya. M. and others.
EFFECT OF THE CHEMICAL COMPOSITION OF
HYDROCARBONS AND OF STEAM ON THE FORMA-
TION DYNAMICS OF OLEFINS IN HIGH TEMPERA-
TURE PYROLYSIS. [1963] [5]p.
Order from OTS or SLA \$1.10 63-14325

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1961 [v. 6] no. 12, p. 11-14.

DESCRIPTORS: *Ethylenes, *Propenes, *Hydrocarbons,
*Steam, Gases, *Pyrolysis, Reaction kinetics.

The quality of starting raw-material affects in gasifica-
tion processes, the gas composition and also the yield
in olefins. Greatest olefin content is produced during
gasification of the fraction 200-300 C and of cetane.
Gas with the greatest olefin content (24-38%) is pro-
duced at a residence time of 0.5-0.6 sec., to which
(Chemistry--Physical, TT, v. 10, no. 3) (over)

63-14325

I. Vishnyakova, T. P.
II. Paushkin, Ya. M.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

Artyukhov, I. M.
METHOD OF TREATMENT OF EXPERIMENTAL
DATA IN MODELLING OF HETEROGENEOUS PROC-
ESSES FOR CHEMICAL CONVERSION OF SUBSTANCE
(DISCUSSION). [1963] [8p] 5 refs
Order from OTS or SLA \$1.10 63-20256

Trans. of Khimiya i Tekhnol[ogiya] Topliv i Masel
(USSR) 1961 [v. 6] no. 12, p. 53-57.

DESCRIPTORS: *Hydrocarbons, *Pyrolysis, Catalysts,
Reduction (Chemistry), Oxidation, Experimental data,
Heat transfer, Reaction kinetics.

A new method is proposed for treatment of experimental
data with the goal of modelling reaction dispositives
based on the proportionality between substance con-
version and the heat transfer on catalyst grain surface.
It is shown, that conversion degree can be determined
(Chemistry--Physical, TT, v. 10, no. 11) (over)

63-20256

I. Artyukhov, I. M.

Office of Technical Services

(SF-2193)

The Oil & Reprocessing Industry in 1962,
5 pp.

RUSSIAN, per, Khim i Tekh Topliv i
Masel, No 1, 1962, pp 1-4.

JPRS 13378

USSR
Econ
Apr 62

190, 216

(SF-2193)

The Oil Reprocessing and Chemical Industry in
the Azerbaydzhan Sovnarkhoz, by R. G.
Ismailov, L. V. Ivanova, R. Sh. Sverdlov.

RUSSIAN, per, Khim i Tekh. Toplivo i Masel,
No 1, 1962, pp 4-8.

JPRS LX3378

USSR
Econ
Apr 62

190,217

62-17739

Adel'son, S. V. and Zaitova, A. Ya.
BASIC RELATIONSHIPS IN THE OXIDATION OF
COKE ON THE SURFACE OF SILICA-ALUMINA
BEAD CATALYSTS. [1962] 9p.
Order from ATS \$13.25

ATS-07P61R

Trans. of Khim[ia] i Tekhnol[ogiya] Topliva Masel
(USSR) 1962, v. 7, no. 1, p. 25-31.

DESCRIPTORS: *Coke, Oxidation, *Alumina-silica
catalysts, Catalysts, Catalysis, Surface properties.

- I. Adel'son, S. V.
- II. Zaitova, A. Ya.
- III. ATS-07P61R
- IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

475- 11-5633
(Chemistry--Physical, TT, v. 8, no. 4)

TT-63-20257

Shekhter, Yu. N. Kalashnikov, V. P., and
Goryacheva, V. I.
THE NITRATION OF MINERAL OILS. [1963] [8p]
23refs
Order from OTS, SLA, or ETC \$1.10 TT-63-20257

Trans. of Khim[ia] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1963 [v. 7, no. 1] p. 40-43. (Abstract
available)

DESCRIPTORS: *Nitration, *Mineral oils, *Lubricant
additives, Fuel oil, Surface-active substances,
Corrosion, Antioxidants.

Technology of production of a new oil-soluble corrosion
inhibitor - the nitrated oil - was developed. Composi-
tion of a new liquid protective lubricant NG-204 was
developed on the basis of nitrated oil; this composition
surpasses in efficiency analogous protective lubricants
and is prospective from standpoint of production
simplicity and raw-material availability. (Author)

I. Shekhter, Yu. N.
II. Kalashnikov, V. P.
III. Goryacheva, V. I.

(Materials--Lubricants.
TT, v. 11, no. 4)
Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830049-1

62-17740

Pechkov, N. G., Borovaya, M. S. and others.
SERVICE PROPERTIES OF BASE OILS WITH VAR-
IOUS TREATING METHODS. [1962] 9p.
Order from ATS 512.25 ATS-51P60R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1962, v. 7, no. 1, p. 50-59.

DESCRIPTORS: *Oils, Physical properties, Process-
ing, *Petroleum.

- I. Pechkov, N. G.
- II. Borovaya, M. S.
- III. ATS-51P60R
- IV. Associated Technical Serv-
ices, Inc., East Orange,
N. J.

The Extraction of Aromatic Hydrocarbons
with Sulfolan, by I. S. Vol'fson, E. S.
Aramyan, I. P. Yudintseva, N. A. Khasanova,
7pp.
RUSSIAN, per, Khimiya i Tekhnologiya Topliv
i Masel, Vol 8, No 2, 1963, pp 6-9.
CFSTI TT-64-19472.

322,340

Sci - Chemistry
Mar 67

(DC-6744)

Some Data on the Economic Effectiveness
of Chemical Methods in Petroleum Refining,
by V. M. Andrianov, 11 pp.

RUSSIAN, per, Khim i Tekh Toplivo i Masel,
1962, No 2, pp 37-40.

JPRS 13439

USSR

Econ

Ann 62

192,126

Bergo, B.G., Monko, Ya.D. and Platonov, V.M.
EFFETS THERMIQUES LORS DU FRACTIONNEMENT
DES MELANGES A CONSTITUANTS MULTIPLES
(O Teplovykh Effektakh pri Rektifikatsii Mnogokomponentnykh Smesli) (Thermal Effect of Multicomponent Rectifications). 14p. (foreign text included) CNRS-VI 832.

Order from OTS, ETC or CNRS \$0.80 TT-62-29193

Trans. in French of Khimiya i Tekhnologiya Topliv i Masel (USSR), 1962, no.3, p.1-4.

DESCRIPTORS: *Distillation, Mixtures, Thermodynamics, Computers.

(Chemistry--Physical, TT, v. 11, no. 7)

TT-62-29193

- I. Bergo, B.G.
- II. Monko, Ya.D.
- III. Platonov, V.M.
- IV. CNRS-VI 832
- V. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

Kuliev, R. Sh., Dreizin, M. M. and others.
THE RERUNNING PROCESS IN LUBE OIL PRODUCTION. [1962] 5p.
Order from ATS \$6.00

ATS-61P63R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1962, v. 7, no. 3, p. 23-26.

DESCRIPTORS: *Lubrication, *Oils, Production.

(Materials--Lubricants, TT, v. 8, no. 11)

62-34206

- I. Kuliev, R. Sh.
- II. Dreizin, M. M.
- III. ATS-61P63R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

ATS-61-3675

Office of Technical Services

Process for the Thermal Dealkylation of
Aromatic Hydrocarbons, by M. G. Gonikberg.

RUSSIAN, per, Khim i Tekh Toplivo i Masel,
No 3, 1962, pp 29-33.

MLA M 8853

Sci - Chem
Mar 63

~~224,281~~
224,281

Papok, K. K. and Berenson, S. P.
DIE KOAGULATION DER DISPERSEN PHASE ALS UR-
SACHE VON LACKBILDUNGEN IM MOTOR (The Coagu-
lation of the Disperse Phase as Cause of the Formation
of Lac in the Motor). 13p. 16 refs. (text in German).
Order from OTS or ETC \$1.85 62-26160

Trans. in German of Khimiya i Tekhnologiya Topliv i
1962 [v. 7] no. 3, p. 50-55.

DESCRIPTORS: *Mineral oils, Coagulation, Carbon,
*Metals, Surfaces, High temperature research.

(Materials--Lubricants, TT, v. 9, no. 8)

62-26160

I. Papok, K. K.
II. Berenson, S. P.

Office of Technical Services

Pavlova, S. N., Dryatskaya, Z. V., and
Mkhchyan, M. A.
DETERMINATION OF THE CONTENT OF NORMAL
METHANIC HYDROCARBONS IN GASOLINE FRACTIONS BY MEANS OF MOLECULAR SIEVES. [1963]
6p. 8 refs.

Order from SLA \$1.10 63-18411
ATS 28.00 ATS-61Q70R
Trans. of Khimilva [Tekhnologiya] Teor. i Mass.
(USSR) 1962, v. 7, no. 3, p. 58-60.

DESCRIPTORS: *Gasoline, Fractionation, *Hydrocarbons, Analysis, *Heptanes, *Octanes, *Benzenes, Methyl radicals, *Absorbents.

(Chemistry--Analytical, TT, v. 10, no. 7)

63-18411

I. Pavlova, S. N.
II. Dryatskaya, Z. V.
III. Mkhchyan, M. A.

ATS RJ-3970

Office of Technical Services

Kvitkovskii, L. N. and Grushetskaya, E. V.
 THE DETERMINATION OF NORMAL PARAFFINIC
 HYDROCARBONS IN GASOLINES WITH THE AID
 OF MOLECULAR SIEVES. [1963] 5p.
 Order from ATS \$8.00 ATS-62Q70R

Trans. of Khim[ya] i Tekhnol[ogiya] Toply.
 i Masel (USSR) 1963, v. 7, no. 3, p. 61-64.
 Another trans. is available from OTS or SLA \$1.10
 as 69-18415 [1963] [7]p.

DESCRIPTORS: *Gasoline, *Alkanes, Determination,
 *Absorbance

(Materials--Fuels, TT, v. 10, no. 8)

63-22143

I. Kvitkovskii, L. N.
 II. Grushetskaya, E. V.
 III. ATS-62Q70R
 IV. Associated Technical
 Services, Inc.,
 East Orange, N. J.

Office of Technical Services

Kuliev, R. Sh., Dreizin, M. M. and others.
THE PRODUCTION OF TRANSFORMER AND TUR-
BINE OILS FROM BAKU CRUDES BY ADSORPTION
REFINING. [1962] Sp.
Order from ATS \$10.50

ATS-59P63R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1962, v. 7, no. 4, p. 15-21.

DESCRIPTORS: *Transformers, *Turbines, *Oils,
Production, Petroleum, Adsorption.

62-34207

(Engineering--Chemical, TT, v. 8, no. 11)

62-34207

- I. Kuliev, R. Sh.
- II. Dreizin, M. M.
- III. ATS-59P63R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

62-34208

Kel'tsev, N. V., Nazarov, B. G., and
Tororeshnikov, N. S.
THOROUGH DRYING OF TRANSFORMER OIL BY
ADSORPTION. [1962] 6p.
Order from ATS \$7.50 ATS-60P63R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i
Masel (USSR) 1962, v. 7, no. 4, p. 21-24.

DESCRIPTORS: *Transformers, *Oils, Dehydration,
Adsorption.

(Chemistry--Physical, TT, v. 8, no. 11)

- I. Kel'tsev, N. V.
- II. Nazarov, B. G.
- III. Tororeshnikov, N. S.
- IV. ATS-60P63R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

TT-63-26919

Lipovskaya, K.S. and Voznesenskaya, E.V.
PARAFFINES A BAS POINT DE FUSION A PARTIR DU
PETROLE ORIENTAL. (Legkoplavkie Parafiny iz Vos-
tochnykh Neftei)(Paraffins with low Melting Point from
Oriental Petroleum) 14p. (Foreign text included) 2 refs.
GR-830.
Order from OTS, ETC or CNRS \$0.80 TT-63-26919

Trans. in French of Khimiya i Tekhnologiya Topliv i
Masel (USSR) 1962, v.7, no.4, p.25-29

DESCRIPTORS: *Petroleum, *Waxes, Melting, Experi-
mental data.

(Materials--Fuels, TT, v. 11, no. 7)

- I. Lipovskaya, K.S.
- II. Voznesenskaya, E.V.
- III. CNRS-GR-830.
- IV. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translations Centre

Razumov, I. M.
CALCULATING PNEUMATIC TRANSPORT OF SOLID
CATALYSTS. Oct 62 [5]p. 12 refs.
Order from ICE in v. 2, no. 4, \$15.00/year

Trans. of Khim[iya] i Tekh[nologiya] Topliv i Masei
(USSR) 1962 [v. 7] no. 4, p. 41ff.

DESCRIPTORS: *Catalysts, Transportation, *Conveyors,
*Pneumatic systems, Mathematical analysis, *Chemical
engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

63-12336

I. Razumov, I. M.
II. International Chemical
Engineering, New York

Office of Technical Services

The Investigation of Used Oils Containing
Detergent Additives by Means of the Electron
Microscope, by A. B. Vigper, B. I. Leot'yev, 10pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 4,
pp 53-56, 1962.

OF 7137
Thornton 1072

OTS 63-26584

Sci - Chem, Fuels

218,854

Dec 62

1/11/66 9022.8 1/2/1962
1/2/1962

Alekseeva, K. V. and others.
THE INFLUENCE OF VARIOUS PROCESS PARAMETERS IN PREPARATIVE CHROMATOGRAPHY.
9 Aug. 1962, 13p. 13 refs. MTWL-1121.
Order from OTS or ETC \$0.80 63-26230

Trans. of Khimiya i Tekhnologiya Topliv i Masel
(USSR) 1962 [v. 7] no. 4, p. 60-66.

DESCRIPTORS: *Chromatographic analysis, Gases,
Pipes, Velocity.

(Chemistry--Analytical, TT, v. 10, no. 8)

63-26230

- I. Alekseeva, K. V.
- II. MTWL-1121
- III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur, Delft (Netherlands)

Office of Technical Services

Kyazimov, A. A., Fedotova, A. F. and others.
PLANT TEST OF ROTATING-DISK CONTACTOR.
[1962] 5p.
Order from ATS \$6.75 ATS-56P63R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1962, v. 7, no. 5, p. 10-13.

DESCRIPTORS: *Bodies of revolution, Disks, Motor
starters, Tests.

(Engineering--Chemical, TT, v. 9, no. 1)

62-34249

- I. Kyazimov, A. A.
- II. Fedotova, A. F.
- III. ATS-56P63R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

ATE RJ-3887

Office of Technical Services

Characteristics of the Ultraviolet Spectra of
Some Types of Aromatic Hydrocarbons, by
A. Siryuk, K. Zimina. *8 pp*

RUSSIAN, per, Khim i Tekh Top i Masel, No 5,
1962, pp 23-26.

CSIRO/No 6197

OTS 63-19973

Sci-Chem

Aug 63

341,968

Hydropurification of a Refined Diesel Oil,
by R. Sh. Kuliyev, B. A. Sadykhova, 5 pp.

RUSSIAN, per, Khim i Tekh Toplivo i Masel,
No 5, 1962, pp 32-34. 9668254

FTD-TT-62-1735
ATS -RJ-3644

Sci-Chem
mApr 63

227,086

Kalantar, N. G., Glazunov, V. I. and others.
COMPOSITION AND PROPERTIES OF TRANS-
FORMER OIL DISTILLATE FROM TUIMAZY
CRUDE. [1962] 8p.
Order from ATS \$9.50 ATS-58P63R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masei
(USSR) 1962, v. 7, no. 5, p. 43-49.

DESCRIPTORS: *Transformers, *Oils, Chemical
properties, Physical properties, Petroleum,
Processing.

(Engineering--Chemical, TT, v. 8, no. 11)

62-34199

I. Kalantar, N. G.
II. Glazunov, V. I.
III. ATS-58P63R
IV. Associated Technical Services,
Inc., East Orange, N. J.

Office of Technical Services

Lulova, N. I., Piguzova, L. I. and others.
STUDY OF MOLECULAR-SIEVE-TYPE ADSORBENTS
WITH THE AID OF GAS CHROMATOGRAPHY. [1962]
Sp.

Order from ATS \$7.00

ATS-27P63R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1962, v. 7, no. 5, p. 70-73.

DESCRIPTORS: *Adsorbents, *Gas chromatography.

(Engineering--Chemical, TT, v. 9, no. 1)

62-34248

- I. Title: Molecular sieves
- I. Lulova, N. I.
- II. Piguzova, L. I.
- III. ATS-27P63R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Manshilin, V. V., Manakov, N. Kh. and others.
ENGINEERING DEVELOPMENT OF A NEW FLUIDIZED
CATALYTIC CRACKING SYSTEM. Oct 62 [7]p.
Order from ICE in v. 2, no. 4, \$15.00/year

Trans. of Khim[iya] i Tekhnologiya Topliv i Masel
(USSR) 1962 (v. 7) no. 6, p. 41ff.

DESCRIPTORS: *Coke, Decomposition, Towers
(Chemistry), *Catalysts, *Alumina-silica catalysts,
Fluidized solids, *Chemical engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

63-12345

I. Manshilin, V. V.
II. Manakov, N. Kh.
III. International Chemical
Engineering, New York

Office of Technical Services

Muzychenko, V. P. and Solov'eva, N. V.
METHOD OF DETERMINING PHOSPHORUS IN AD-
DITIVES AND ADDITIVE OILS. [1962] 6p.
Order from ATS \$7.25 ATS-63P65R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masei
(USSR) 1962, v. 7, no. 6, p. 61-64.

DESCRIPTORS: *Phosphorus, Determination,
*Additives, *Oils.

(Chemistry--Analytical, TT, v. 9, no. 5)

63-12478

- I. Muzychenko, V. P.
- II. Solov'eva, N. V.
- III. ATS-63P65R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

ATS RJ-4067

Office of Technical Services

Kaganov, S. A., Levinter, M. Kh., and Medvedeva,
M. I.
KINETICS OF ASPHALTENE COKING. [1962] 8p.
Order from ATS \$10.00 ATS-28P65R

Trans. of Khim[ya] i Tekhnologii i Masel
(USSR) 1962, v. 7, no. 7, p. 38-43.

DESCRIPTORS: *Bitumens, Asphalt, Coke, Reaction
kinetics.

(Engineering--Chemical, TT, v. 9, no. 5)

63-12497

62-184/2 }

- I. Title: Asphaltenes
- I. Kaganov, S. A.
- II. Levinter, M. Kh.
- III. Medvedeva, M. I.
- IV. ATS-28P65R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Subbotin, A. L., Kogan, P. S., and Kazarnovskii, S. N.
PYROLYSIS OF THE BUTYLENE FRACTION IN THE PRESENCE OF OXYGEN. [1963] [8]p. 13 refs.
Order from OTS or SLA \$1.10 63-18887

Trans. of Khim[il]i Tekhnol[ogiya] Topliv i Masel (USSR) 1962, v. 7, no. 8, p. 1-6.

DESCRIPTORS: *Butenes, *Acetylenes, *Ethylenes, Pyrolysis, Oxygen, Reaction kinetics.

Commercial butylene fraction was pyrolyzed in the presence of oxygen at 1200 C under 60-120 mm Hg and at a gas residence time of 0.001 sec. in mixture with hydrogen. The process was investigated by the dynamic method, varying the oxygen content up to 38 vol. %. It was found that 8 to 10 vol. % oxygen sharply reduces the coke and resin yields in comparison to the thermal (Chemistry--Physical, TT, v. 10, no. 11) (over)

63-18887

I. Subbotin, A. I.
II. Kogan, P. S.
III. Kazarnovskii, S. N.

Office of Technical Services

Aleksandrov, I. A. and Skoblo, A. I.
DETERMINATION OF INTERTRAY-ENTRAINMENT
OF THE LIQUIDS IN FRACTIONATORS. [1963]
[7]p. 11 refs.

Order from OTS or SLA \$1.10

63-18405

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel
(USSR) 1962 [v. 7] no. 8, p. 53-58.

DESCRIPTORS: *Distillation, *Liquids, Containers,
Mathematical analysis, Towers (Chemistry).

An equation is proposed for determination of the liquid
entrainment in industrial fractionators and hot models
from data on tray efficiency and it was confirmed by
experimental results of a series of authors. (Author)

(Engineering--Chemical, TT, v. 10, no. 11)

63-18405

I. Title: Entrainment
I. Aleksandrov, I. A.
II. Skoblo, A. I.

Office of Technical Services

Electrochemical Aspects of the Mechanism of
Wetting Additives in Motor Oils, by
G. I. Shor, 20 pp.

RUSSIAN, per, Khimiya i Tekhnologiya Topliv
i Masel, No 8, 1962, pp 58-66.

NEL Ref: 9022.9 1962 (1077)
(Loan)

Sci - Electron, Chem
Jul 63

OTS 63-26590

238,357

Kolesnikov, I. M., Panchenkov, G. M., and Orlova, A. A.
KINETICS OF THE ALKYLATION OF TOLUENE WITH PROPYLENE OVER AN ALUMINOSILICATE CATALYST. [1963] 8p.
Order from ATS \$10.50 ATS-00Q68R

Trans. of Khimiya i Tekhnologiya Topliv i Masel
(USSR) 1962, v. 7, no. 9, p. 1-8.

DESCRIPTORS: Reaction kinetics, *Alkylation,
*Toluenes, Propenes, *Catalysts, *Aluminum compounds, *Silicates.

(Chemistry--Organic, TT, v. 10, no. 1)

63-17155
~~63-17880~~
I. Kolesnikov, I. M.
II. Panchenkov, G. M.
III. Orlova, A. A.
IV. ATS-00Q68R
V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services